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Dynamic anatomic relationship of the coronary arteries to the valves. Part 1: mitral annulus and circumflex artery

Hinzpeter, Ricarda ; Eberhard, Matthias ; Pozzoli, Alberto ; von Spiczak, Jochen ; Manka, Robert ;
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Dynamic anatomic relationship of the coronary arteries to the valves. Part 1: mitral annulus and circumflex artery

EuroIntervention 2019;15:919-922. DOI: 10.4244/EIJ-D-19-00669



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Introduction

Mitral regurgitation (MR) represents one of the most common valvular heart diseases affecting almost 10% of the population >75 years of age¹. According to the American College of Cardiology/American Heart Association, surgical interventions still represent the gold standard for treatment of severe MR². However, many patients do not undergo surgery due to increased surgical risk, which has driven the field of percutaneous mitral valve (MV) treatments, including repair and replacement technologies³. As catheter-based MV repair options are increasingly adopted in clinical

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practice, they require accurate preprocedural imaging, providing detailed anatomic information about the MV and adjacent structures ...



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